

Compliance Coordinator
Nevada Division of Environmental Protection
Bureau of Water Pollution Control
901 South Stewart Street, Suite 4001
Carson City, Nevada 89701-5249

**NPDES PERMIT #NV0024228 – DISCHARGE MONITORING REPORTS
2ND QUARTER 2018
WEIR CONSTRUCTION DEWATERING TREATMENT
NEVADA ENVIRONMENTAL RESPONSE TRUST, HENDERSON, NEVADA**

Dear Compliance Coordinator:

As required by the Finding and Order issued on April 12, 2016 by the Nevada Division of Environmental Protection (NDEP), Bureau of Industrial Site Cleanup (BISC), the Nevada Environmental Response Trust (NERT or the Trust) maintains NPDES Permit #NV0024228 for discharge of perchlorate-treated water near the Las Vegas Wash (LVW) that is extracted during dewatering activities associated with construction of two weirs (the Sunrise Mountain Weir and the Historic Lateral Weir) by the Southern Nevada Water Authority (SNWA) in the Henderson, Nevada area.

The NDEP, Bureau of Water Pollution Control (BWPC) issued NPDES Permit #NV0024228 on August 11, 2017 and the permit became effective on August 14, 2017. The attached items reflect information associated with the permit's April, May, and June 2018 Discharge Monitoring Reports (DMRs). Ramboll US Corporation (Ramboll), on behalf of the Trust, has submitted the DMRs via the United States Environmental Protection Agency (USEPA) NetDMR system per the Subscriber Agreement signed on September 25, 2017.

The treatment plant began operating on January 2, 2018. The treatment plant began receiving water from the Historic Lateral Weir construction site via the Historic Lateral Pump Station (HLPS) on January 2, 2018. The treatment plant began receiving water from the Sunrise Mountain Weir construction site via the Sunrise Mountain Pump Station (SMPS) on January 8, 2018. The HLPS stopped receiving water from the Historic Lateral Weir construction site following the completion of dewatering activities on June 6, 2018.

During the reporting period, the ion exchange (IX) perchlorate treatment processes demonstrated compliance with the daily maximum perchlorate concentration limitation of 18 micrograms per liter (µg/L).

Included with this correspondence as Attachment 1 are summaries of analytical and/or flow data for Sample Locations 001 (influent), 002 (an internal monitoring point), 003 (effluent), and 004 (the end of mixing zone

July 24, 2018

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ambient wash water quality monitoring point) that support the 2nd Quarter 2018 DMRs. The associated analytical reports are supplied in electronic format on a CD included in Attachment 2.

A NPDES permit inspection of the treatment plant was performed by BWPC on April 4, 2018. No findings or violations were found during the inspection. Although not required by the permit, the BWPC recommended posting a sign at the outfall location indicating that the effluent is non-potable for human consumption. The recommended signage was subsequently posted near the outfall location.

One reportable event occurred during 2nd Quarter 2018, as described below:

- On May 31, 2018 before approximately 5:00am, an estimated 500 gallons of backwash water (mixture of treated and untreated water) spilled onto the ground outside of the lined containment area to the west of the decant tanks. There was no flow outside of the immediate area and no discharge to a waterbody or potential for public contact. The spill was caused by an open valve in the base of Tank 5, which was not fully contained due to pinhole leaks within the secondary containment structure. The operators immediately closed the open valve and removed any standing water using a vacuum truck. The secondary containment was repaired or replaced prior to resuming use. Under the reporting requirements described in Section C.8.2 of the permit, no spill incident number or written report was issued at the time of the release because the release did not represent an imminent or substantial danger to human health, the environment, or reach waters of the state. Per Section C.8.4 of the permit, this event is being reported now with the quarterly monitoring report.

Should you have any questions concerning this report, please contact Kimberly Kuwabara at (510) 420-2525 or kkuwabara@ramboll.com.

Yours Sincerely,

A handwritten signature in cursive script that reads "Kimberly Kuwabara".

Kimberly Kuwabara, MS
Senior Managing Consultant
CEM #2353, expires 3/20/19

Attachments

Attachment 1: Summary of Supporting Analytical and Flow Data
Attachment 2: Supporting Analytical Reports (*on CD*)


cc: James Dotchin, Bureau of Industrial Site Cleanup, NDEP
Weiquan Dong, Bureau of Industrial Site Cleanup, NDEP
Nikita Lingenfelter, Bureau of Water Pollution Control, NDEP
Patrick Mohn, Bureau of Water Pollution Control, NDEP
Alison Fong, U.S. Environmental Protection Agency
Nevada Environmental Response Trust
Tanya O'Neill, Foley and Lardner LLP
John Pekala, Ramboll
Dan Pastor, Tetra Tech, Inc.



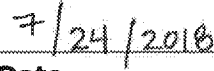
**NPDES Permit NV0024228 – 2nd Quarter 2018 DMRs
CEM Certification**

Responsible Certified Environmental Manager (CEM) for this project

I hereby certify that I am responsible for the services described in this document and for the preparation of this document. The services described in this document have been provided in a manner consistent with the current standards of the profession and, to the best of my knowledge, comply with all applicable federal, state and local statutes, regulations and ordinances.



Kimberly Kuwabara, MS
Senior Managing Consultant



Date

Certified Environmental Manager
Ramboll US Corporation
CEM Number: 2353
CEM Expiration Date: March 20, 2019

**ATTACHMENT 1
SUMMARY OF SUPPORTING ANALYTICAL AND FLOW DATA**

NPDES Permit NV0024228 - 2nd Quarter 2018 -

Sample Location 001, Sample Location 002, Sample Location 003 Flow Data

Date	Sample Location 001 - Influent Flow Rate (gallons/min)	Sample Location 002 - Backwash to Remix Flow, total (gallons/day)	Sample Location 003 - Effluent Flow, total (gallons/day)
April 2018 Flow Data			
4/1/2018	3,035	98,200	4,732,100
4/2/2018 ^{1&2}	2,483	86,300	5,956,900
4/3/2018	3,336	23,500	6,430,100
4/4/2018 ¹	3,732	16,600	5,702,700
4/5/2018 ^{1&2}	3,478	12,300	5,948,800
4/6/2018	4,567	81,500	7,081,300
4/7/2018	4,051	59,400	6,478,700
4/8/2018	3,637	42,600	5,976,000
4/9/2018 ^{1&2}	3,873	34,800	6,134,500
4/10/2018 ^{1&2}	3,315	0	6,000,500
4/11/2018 ¹	4,053	0	6,237,900
4/12/2018 ^{1&2}	3,612	0	5,934,700
4/13/2018 ^{1&2}	3,195	0	6,285,300
4/14/2018	3,570	0	5,821,300
4/15/2018	2,996	75,900	4,986,100
4/16/2018 ^{1&2}	3,304	17,100	6,092,900
4/17/2018 ^{1&2}	3,681	8,800	6,061,500
4/18/2018 ¹	4,121	0	6,447,400
4/19/2018 ¹	4,102	0	6,369,100
4/20/2018 ¹	3,587	0	5,822,600
4/21/2018 ¹	3,677	0	5,838,700
4/22/2018	3,266	86,000	5,238,300
4/23/2018 ¹	3,845	0	5,793,000
4/24/2018	3,820	79,800	5,669,400
4/25/2018	3,600	84,900	5,568,100
4/26/2018	3,588	72,000	5,587,700
4/27/2018	3,424	68,200	5,289,400
4/28/2018	3,328	89,300	5,165,100
4/29/2018	3,128	73,000	5,012,200
4/30/2018	3,652	81,500	5,585,700
Unit	Maximum gallons/minute:	Total gallons/month:	Total Mgal:
Permit Limit	≤6,900	M&R	M&R
Amount	4,567	1,191,700	175.2

NPDES Permit NV0024228 - 2nd Quarter 2018 -

Sample Location 001, Sample Location 002, Sample Location 003 Flow Data

Date	Sample Location 001 - Influent Flow Rate (gallons/min)	Sample Location 002 - Backwash to Remix Flow, total (gallons/day)	Sample Location 003 - Effluent Flow, total (gallons/day)
May 2018 Flow Data			
5/1/2018	3,685	121,400	5,620,000
5/2/2018	3,529	93,700	5,306,000
5/3/2018	3,184	81,500	4,906,600
5/4/2018	2,903	63,900	4,570,000
5/5/2018	3,906	87,100	6,018,900
5/6/2018	3,399	121,500	5,067,800
5/7/2018	3,321	85,700	4,812,900
5/8/2018	3,618	85,500	5,450,100
5/9/2018	3,185	101,900	4,905,800
5/10/2018	3,567	98,200	5,323,200
5/11/2018	3,563	50,400	5,276,000
5/12/2018 ¹	3,455	20,100	5,203,000
5/13/2018	3,118	75,000	4,747,400
5/14/2018 ¹	3,298	39,700	4,872,100
5/15/2018 ¹	3,566	17,700	5,150,700
5/16/2018 ¹	3,553	24,400	5,413,700
5/17/2018	3,507	112,400	5,468,400
5/18/2018	3,573	133,100	5,451,100
5/19/2018 ¹	3,555	121,800	5,531,200
5/20/2018	3,012	86,000	4,766,700
5/21/2018	3,555	75,300	5,473,600
5/22/2018 ¹	3,419	48,100	5,319,500
5/23/2018 ¹	3,657	23,900	5,513,500
5/24/2018 ¹	3,603	26,900	5,297,300
5/25/2018 ¹	3,429	25,600	5,216,900
5/26/2018 ¹	3,299	86,600	5,254,900
5/27/2018	2,986	89,300	4,767,700
5/28/2018	3,224	102,600	5,100,400
5/29/2018 ¹	3,461	47,700	5,303,600
5/30/2018 ¹	3,468	68,600	5,409,800
5/31/2018	3,248	70,300	5,135,200
Unit	Maximum gallons/minute:	Total gallons/month:	Total Mgal:
Permit Limit	≤6,900	M&R	M&R
Amount	3,906	2,285,900	161.7

NPDES Permit NV0024228 - 2nd Quarter 2018 -

Sample Location 001, Sample Location 002, Sample Location 003 Flow Data

Date	Sample Location 001 - Influent Flow Rate (gallons/min)	Sample Location 002 - Backwash to Remix Flow, total (gallons/day)	Sample Location 003 - Effluent Flow, total (gallons/day)
June 2018 Flow Data			
6/1/2018	3,518	110,800	5,483,400
6/2/2018	3,403	115,300	5,336,700
6/3/2018	3,327	115,400	5,176,600
6/4/2018 ¹	2,850	19,300	4,561,900
6/5/2018 ¹	2,208	29,100	3,639,400
6/6/2018	2,144	76,900	3,619,600
6/7/2018	2,160	65,000	3,534,500
6/8/2018 ¹	2,206	32,500	3,624,700
6/9/2018 ¹	2,173	47,600	3,538,100
6/10/2018	2,146	88,300	3,521,100
6/11/2018	2,139	83,600	3,483,400
6/12/2018	2,063	67,600	3,348,900
6/13/2018	2,108	91,200	3,454,200
6/14/2018 ¹	2,089	56,900	3,180,200
6/15/2018 ¹	2,189	53,500	3,270,400
6/16/2018	2,140	71,200	3,216,100
6/17/2018	2,131	81,900	3,220,800
6/18/2018	2,120	73,900	3,265,100
6/19/2018	2,130	74,700	3,268,300
6/20/2018 ¹	2,141	57,000	3,292,300
6/21/2018	2,115	72,800	3,047,600
6/22/2018	1,610	56,000	2,323,200
6/23/2018	2,043	70,500	2,938,700
6/24/2018	2,251	71,500	3,223,000
6/25/2018	2,196	89,000	3,194,500
6/26/2018	2,215	73,400	3,163,100
6/27/2018	2,134	68,400	3,102,400
6/28/2018	2,159	78,900	3,088,600
6/29/2018	2,156	68,500	3,104,300
6/30/2018	2,181	69,500	3,129,200
Unit	Maximum gallons/minute:	Total gallons/month:	Total Mgal:
Permit Limit	≤6,900	M&R	M&R
Amount	3,518	2,130,200	105.4

Notes:

M&R = monitor and report

Mgal = million gallons

¹ Flows recirculated through plant during this period.

² Sample Location 001 flow meter bypassed during maintenance.
Daily Sample Location 001 flow approximated by sum of individual
influent flows.

NPDES Permit NV0024228 - 2nd Quarter 2018 - Influent (Sample Location 001)
Analytical Summary

<u>Sample Date</u>	<u>Sample Location</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>SQL</u>	<u>SQL Units</u>	<u>Method</u>
4/9/2018	001	Ammonia (as N)	<0.100	mg/l	0.100	mg/l	SM4500-NH3
5/7/2018	001	Ammonia (as N)	<0.100	mg/l	0.100	mg/l	SM4500-NH3
6/4/2018	001	Ammonia (as N)	<0.100	mg/l	0.100	mg/l	SM4500-NH3
4/9/2018	001	Dissolved Solids (total)	2170	mg/l	10.0	mg/l	SM2540C
4/23/2018	001	Dissolved Solids (total)	2060	mg/l	10.0	mg/l	SM2540C
5/7/2018	001	Dissolved Solids (total)	2260	mg/l	10.0	mg/l	SM2540C
5/21/2018	001	Dissolved Solids (total)	2190	mg/l	10.0	mg/l	SM2540C
6/4/2018	001	Dissolved Solids (total)	2260	mg/l	10.0	mg/l	SM2540C
6/18/2018	001	Dissolved Solids (total)	2700	mg/l	10.0	mg/l	SM2540C
4/9/2018	001	Field pH	7.5	SU		SU	FIELD SAMPLING
4/23/2018	001	Field pH	7.7	SU		SU	FIELD SAMPLING
5/7/2018	001	Field pH	7.8	SU		SU	FIELD SAMPLING
5/21/2018	001	Field pH	7.8	SU		SU	FIELD SAMPLING
6/4/2018	001	Field pH	7.7	SU		SU	FIELD SAMPLING
6/18/2018	001	Field pH	7.6	SU		SU	FIELD SAMPLING
4/9/2018	001	Nitrogen, Total	7.48	mg/l	0.110	mg/l	NTOTAL
5/7/2018	001	Nitrogen, Total	7.35	mg/l	0.110	mg/l	NTOTAL
6/4/2018	001	Nitrogen, Total	8.06 H	mg/l	0.110	mg/l	NTOTAL
6/8/2018	001	Nitrogen, Total	6.78	mg/l	0.110	mg/l	NTOTAL
4/9/2018	001	Perchlorate	674	ug/l	9.50	ug/l	E314.0
4/23/2018	001	Perchlorate	510	ug/l	9.50	ug/l	E314.0
5/7/2018	001	Perchlorate	759	ug/l	47.5	ug/l	E314.0
5/21/2018	001	Perchlorate	621	ug/l	9.50	ug/l	E314.0
6/4/2018	001	Perchlorate	668	ug/l	95.0	ug/l	E314.0
6/18/2018	001	Perchlorate	1050	ug/l	95.0	ug/l	E314.0
4/9/2018	001	Phosphorus (total)	0.0685	mg/l	0.0250	mg/l	E365.3
5/7/2018	001	Phosphorus (total)	0.0632	mg/l	0.0250	mg/l	E365.3
6/4/2018	001	Phosphorus (total)	0.0617	mg/l	0.0250	mg/l	E365.3
4/9/2018	001	Suspended solids (total)	5.20	mg/l	0.667	mg/l	SM2540D
4/23/2018	001	Suspended solids (total)	7.50	mg/l	0.500	mg/l	SM2540D
5/7/2018	001	Suspended solids (total)	15.3	mg/l	0.500	mg/l	SM2540D
5/21/2018	001	Suspended solids (total)	4.40	mg/l	0.500	mg/l	SM2540D
6/4/2018	001	Suspended solids (total)	14.2	mg/l	0.500	mg/l	SM2540D
6/18/2018	001	Suspended solids (total)	1.70	mg/l	0.500	mg/l	SM2540D

Notes:

ug/l = micrograms per liter

mg/l = milligrams per liter

SU = standard units

H = Sample was prepped or analyzed beyond the specified holding time.

NPDES Permit NV0024228 - 2nd Quarter 2018 - Backwash to Remix (Sample Location 002)
Analytical Summary

<u>Sample Date</u>	<u>Sample Location</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>SQL</u>	<u>SQL Units</u>	<u>Method</u>
4/9/2018	002	Perchlorate	76.0	ug/l	9.50	ug/l	E314.0
4/23/2018	002	Perchlorate	178	ug/l	9.50	ug/l	E314.0
5/7/2018	002	Perchlorate	140	ug/l	9.50	ug/l	E314.0
5/21/2018	002	Perchlorate	115	ug/l	9.50	ug/l	E314.0
6/4/2018	002	Perchlorate	118	ug/l	9.50	ug/l	E314.0
6/18/2018	002	Perchlorate	91.7	ug/l	0.950	ug/l	E314.0
4/9/2018	002	Suspended solids (total)	864	mg/l	10.0	mg/l	SM2540D
4/23/2018	002	Suspended solids (total)	974	mg/l	10.0	mg/l	SM2540D
5/7/2018	002	Suspended solids (total)	944	mg/l	20.0	mg/l	SM2540D
5/21/2018	002	Suspended solids (total)	368	mg/l	10.0	mg/l	SM2540D
6/4/2018	002	Suspended solids (total)	1110	mg/l	10.0	mg/l	SM2540D
6/18/2018	002	Suspended solids (total)	464	mg/l	10.0	mg/l	SM2540D

Notes:

ug/l = micrograms per liter

mg/l = milligrams per liter

NPDES Permit NV0024228 - 2nd Quarter 2018 - Effluent (Sample Location 003)

Analytical Summary

<u>Sample Date</u>	<u>Sample Location</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>SQL</u>	<u>SQL Units</u>	<u>Method</u>
4/9/2018	003	Ammonia (as N)	<0.100	mg/l	0.100	mg/l	SM4500-NH3
4/23/2018	003	Ammonia (as N)	<0.100	mg/l	0.100	mg/l	SM4500-NH3
5/7/2018	003	Ammonia (as N)	0.108 J	mg/l	0.100	mg/l	SM4500-NH3
5/21/2018	003	Ammonia (as N)	<0.100	mg/l	0.100	mg/l	SM4500-NH3-D
6/4/2018	003	Ammonia (as N)	<0.100	mg/l	0.100	mg/l	SM4500-NH3
6/8/2018	003	Ammonia (as N)	<0.100	mg/l	0.100	mg/l	SM4500-NH3-D
6/18/2018	003	Ammonia (as N)	<0.100	mg/l	0.100	mg/l	SM4500-NH3
4/9/2018	003	Boron	1.12	mg/l	0.0250	mg/l	E200.7
4/23/2018	003	Boron	0.955	mg/l	0.0250	mg/l	E200.7
5/7/2018	003	Boron	1.05	mg/l	0.0250	mg/l	E200.7
5/21/2018	003	Boron	1.04	mg/l	0.0250	mg/l	E200.7
6/4/2018	003	Boron	0.974	mg/l	0.0250	mg/l	E200.7
6/18/2018	003	Boron	1.39	mg/l	0.0250	mg/l	E200.7
4/9/2018	003	Dissolved Solids (total)	2250	mg/l	10.0	mg/l	SM2540C
4/23/2018	003	Dissolved Solids (total)	2120	mg/l	10.0	mg/l	SM2540C
5/7/2018	003	Dissolved Solids (total)	2300	mg/l	10.0	mg/l	SM2540C
5/21/2018	003	Dissolved Solids (total)	2250	mg/l	10.0	mg/l	SM2540C
6/4/2018	003	Dissolved Solids (total)	2140	mg/l	10.0	mg/l	SM2540C
6/18/2018	003	Dissolved Solids (total)	2620	mg/l	10.0	mg/l	SM2540C
4/2/2018	003	Field pH	7.5	SU		SU	FIELD SAMPLING
4/9/2018	003	Field pH	7.7	SU		SU	FIELD SAMPLING
4/16/2018	003	Field pH	7.5	SU		SU	FIELD SAMPLING
4/23/2018	003	Field pH	7.6	SU		SU	FIELD SAMPLING
5/7/2018	003	Field pH	7.7	SU		SU	FIELD SAMPLING
5/21/2018	003	Field pH	7.9	SU		SU	FIELD SAMPLING
6/4/2018	003	Field pH	7.8	SU		SU	FIELD SAMPLING
6/18/2018	003	Field pH	7.5	SU		SU	FIELD SAMPLING
4/9/2018	003	Manganese	0.0164 J	mg/l	0.0150	mg/l	E200.7
4/23/2018	003	Manganese	0.0354	mg/l	0.0150	mg/l	E200.7
5/7/2018	003	Manganese	0.0604	mg/l	0.0150	mg/l	E200.7
5/21/2018	003	Manganese	0.0168 J	mg/l	0.0150	mg/l	E200.7
6/4/2018	003	Manganese	0.0473	mg/l	0.0150	mg/l	E200.7
6/18/2018	003	Manganese	0.0333	mg/l	0.0150	mg/l	E200.7
4/2/2018	003	Perchlorate	1.32 J	ug/l	0.950	ug/l	E314.0
4/9/2018	003	Perchlorate	<0.950	ug/l	0.950	ug/l	E314.0
4/16/2018	003	Perchlorate	<0.950	ug/l	0.950	ug/l	E314.0
4/23/2018	003	Perchlorate	<0.950	ug/l	0.950	ug/l	E314.0
4/30/2018	003	Perchlorate	3.04 J	ug/l	0.950	ug/l	E314.0
5/7/2018	003	Perchlorate	2.51 J	ug/l	0.950	ug/l	E314.0
5/14/2018	003	Perchlorate	1.64 J	ug/l	0.950	ug/l	E314.0
5/21/2018	003	Perchlorate	5.72	ug/l	0.950	ug/l	E314.0
5/28/2018	003	Perchlorate	1.81 J	ug/l	0.950	ug/l	E314.0

NPDES Permit NV0024228 - 2nd Quarter 2018 - Effluent (Sample Location 003)
Analytical Summary

<u>Sample Date</u>	<u>Sample Location</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>SQL</u>	<u>SQL Units</u>	<u>Method</u>
6/4/2018	003	Perchlorate	1.72 J	ug/l	0.950	ug/l	E314.0
6/11/2018	003	Perchlorate	1.58 J	ug/l	0.950	ug/l	E314.0
6/18/2018	003	Perchlorate	<0.950	ug/l	0.950	ug/l	E314.0
6/25/2018	003	Perchlorate	1.95 J	ug/l	0.950	ug/l	E314.0
4/9/2018	003	Phosphorus (total)	0.0662	mg/l	0.0250	mg/l	E365.3
4/23/2018	003	Phosphorus (total)	0.0752	mg/l	0.0250	mg/l	E365.3
5/7/2018	003	Phosphorus (total)	0.0783	mg/l	0.0250	mg/l	E365.3
5/21/2018	003	Phosphorus (total)	0.0558	mg/l	0.0250	mg/l	E365.3
6/4/2018	003	Phosphorus (total)	0.0671	mg/l	0.0250	mg/l	E365.3
6/18/2018	003	Phosphorus (total)	0.0328 J	mg/l	0.0250	mg/l	E365.3
4/2/2018	003	Suspended solids (total)	23.3	mg/l	0.833	mg/l	SM2540D
4/9/2018	003	Suspended solids (total)	6.40	mg/l	0.500	mg/l	SM2540D
4/16/2018	003	Suspended solids (total)	37.8	mg/l	0.833	mg/l	SM2540D
4/23/2018	003	Suspended solids (total)	11.3	mg/l	0.500	mg/l	SM2540D
4/30/2018	003	Suspended solids (total)	19.6	mg/l	0.500	mg/l	SM2540D
5/7/2018	003	Suspended solids (total)	30.9	mg/l	0.625	mg/l	SM2540D
5/14/2018	003	Suspended solids (total)	24.1	mg/l	0.500	mg/l	SM2540D
5/21/2018	003	Suspended solids (total)	6.90	mg/l	0.500	mg/l	SM2540D
5/28/2018	003	Suspended solids (total)	18.2	mg/l	0.500	mg/l	SM2540D
6/4/2018	003	Suspended solids (total)	19.9	mg/l	0.500	mg/l	SM2540D
6/11/2018	003	Suspended solids (total)	16.7	mg/l	0.500	mg/l	SM2540D
6/18/2018	003	Suspended solids (total)	10.1	mg/l	0.500	mg/l	SM2540D
6/25/2018	003	Suspended solids (total)	10.1	mg/l	0.500	mg/l	SM2540D
4/9/2018	003	Total Inorganic Nitrogen-Calc	7.89	mg/l	0.500	mg/l	NTOTAL
4/23/2018	003	Total Inorganic Nitrogen-Calc	6.41	mg/l	0.500	mg/l	NTOTAL
5/7/2018	003	Total Inorganic Nitrogen-Calc	7.54	mg/l	0.500	mg/l	NTOTAL
5/21/2018	003	Total Inorganic Nitrogen-Calc	7.88	mg/l	0.500	mg/l	NTOTAL
6/4/2018	003	Total Inorganic Nitrogen-Calc	8.09 H	mg/l	0.500	mg/l	NTOTAL
6/8/2018	003	Total Inorganic Nitrogen-Calc	7.08	mg/l	0.500	mg/l	NTOTAL
6/18/2018	003	Total Inorganic Nitrogen-Calc	6.72	mg/l	0.500	mg/l	NTOTAL

Notes:

mg/l = milligrams per liter

ug/l = micrograms per liter

SU = standard units

H = Sample was prepped or analyzed beyond the specified holding time.

J = Result is less than the reporting limit but greater than or equal to the MDL and the concentration is an approximate value.

**NPDES Permit NV0024228 - 2nd Quarter 2018 - End of Mixing Zone Ambient Wash Water
Quality Monitoring Point (Sample Location 004) Analytical Summary**

<u>Sample</u>		<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>SQL</u>	<u>SQL Units</u>	<u>Method</u>
<u>Sample Date</u>	<u>Location</u>						
4/5/2018	004	Boron	0.531	mg/l	0.0250	mg/l	E200.7
5/10/2018	004	Boron	0.508	mg/l	0.0250	mg/l	E200.7
6/6/2018	004	Boron	0.502	mg/l	0.0250	mg/l	E200.7
4/5/2018	004	Dissolved Solids (total)	1360	mg/l	10.0	mg/l	SM2540C
5/10/2018	004	Dissolved Solids (total)	1370	mg/l	10.0	mg/l	SM2540C
6/6/2018	004	Dissolved Solids (total)	1360	mg/l	10.0	mg/l	SM2540C
4/5/2018	004	Manganese	0.0304	mg/l	0.0150	mg/l	E200.7
5/10/2018	004	Manganese	0.0192 J	mg/l	0.0150	mg/l	E200.7
6/6/2018	004	Manganese	0.0211	mg/l	0.0150	mg/l	E200.7

Notes:

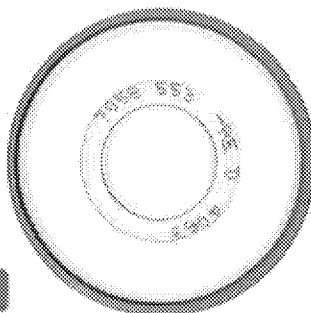
mg/l = milligrams per liter

J = Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value.

**ATTACHMENT 2
SUPPORTING ANALYTICAL REPORTS
(ON CD)**

RAMBOLL
2200 POWELL ST.
STE 700
EMERYVILLE, CA
USA
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1590006942-00

I hereby certify that all laboratory analytical data was generated by a laboratory certified by the NDEP for each constituent and media presented herein, exceptions and corresponding justifications are provided in the tables.



Kimberly Kuwabara

CEM #2353, expires 3/20/19